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Award Number: MIPR 3GD3EA3094

TITLE: MTF Computerized Decision Support for Chemical  
Hazard Emergencies

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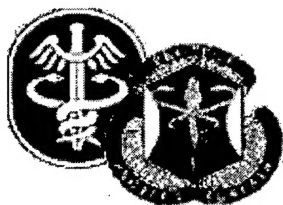
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## Mid-Term Report

**TATRC**

PROPOSAL NO.: 2002011127

TITLE: MTF Computerized decision support for Chemical Hazard Emergencies

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### ACCOMPLISHMENTS

Funding for the project was received in April 2003. Immediately after receipt of funding, the principle investigator and co-investigation staff at CTA initiated work to establish a statement of work for the project contracting actions. Furthermore, the CTA explored the option of using a CRDA to work with the private sector on the development of the initial CDC HAZMAT protocol algorithm application. EAMC JAG, AMEDD C&S JAG, and MPMC JAG offices were all consulted. This resulted in a series of meetings and teleconferences regarding the appropriate means of establishing a CRDA through JAG for this project. In August 2003, a CTA representative met with the MPMC JAG office to discuss the project in detail. MPMC JAG advised that policy changes be made to ensure that future projects could be staffed through their office, but not to pursue a CRDA for this specific project. The SOW was forwarded to the government contracting office for competitive bid immediately after this meeting. The contract was awarded to a commercial vendor on September 30, 2003. The contract deliverables outline two phases. Phase 1 requires the commercial vendor to establish a software design and development report, based upon government specifications, for COTR approval prior to application programming. Phase 2 will be the application development effort. Phase 3 of the project, will be the government led evaluation of this application, as outlined in the grant study design. At this time, phase 1 will be completed by 1 January 2004, and phase 2 will be completed by 1 April 2004. Controlled evaluation of the software will be completed by 1 July 2004.

PI Evaluation: Project Accomplishments Match Proposal

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### PROBLEMS/ISSUES

Because of the organizational structure of the Southeast Regional Medical Command, such a legal agreement would fall under the oversight of the AMEDD C&S JAG office, however the MPMC JAG office have the expertise for a software application. This conflict resulted in an initial delay of the contracting action, as there was a significant amount of discussion on how to execute this contract in the best interest of the government. A secondary issue with the project was establishing a well-defined scope of the application development work effort, to ensure that any co-development with the

commercial section did not experience mission creep. Obtaining vendor quotes was tedious, as the focus of the private sector was to expand the initial application development, rather than following the focused evaluation plan outlined in this grant. Now that both of these issues have been successfully resolved, it is anticipated that with the proactive work of the CTA project manager and contract COTR, the project will meet all outlined milestones without further delays.

**PI's Evaluation:** Project Accomplishments Close to Proposal  
Project encountered no significant problems/issues

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## **Second Half Project LifeCycle**

The second half of the project life cycle is focused on the development and assessment of the HAZMAT application as described in the grant abstract. The application will incorporate the published CDC protocol guidelines as referenced in the contract. The design basis will include the various technical components, such as HL7, HIPAA and other applicable security and regulatory requirements. The workflow process that was derived from the survey assessment of first responders will reflect user needs and requirements.

**PI's Evaluation:** Project Plan is close to Proposal

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## **Deliverable Update**

The deliverables of this grant are a software application and a final, written evaluation report. This remains in accordance with the initial grant application.

**PI's Evaluation:** Deliverable is on schedule, per Proposal

## Expenditures

| Element of<br>Resource (EOR)     | 3Q FY 01<br>Apr 1 - May 31 | 4Q FY<br>01<br>Jun 1 -<br>Sep 30 |
|----------------------------------|----------------------------|----------------------------------|
| Travel 2100                      | 0.00                       | 0.00                             |
| Shipping 2200                    | 0.00                       | 0.00                             |
| Rent &<br>Communications<br>2200 | 0.00                       | 0.00                             |
| Contract for<br>Services<br>2500 | 75,848.50                  | 75,848.50                        |
| Supplies<br>2600                 | 38,303.00                  | 0.00                             |
| Equipment<br>3100                | 0.00                       | 80,000.00                        |

## Financial Narrative

Contract personnel funds were obligated against existing IDIQ staff support contracts for contract personnel assigned to the Center for Total Access.

There is a contract in place for the design, development and programming of a computerized, decision support software tool to implement medical treatment guidelines for chemical agents including: phosgene gas; mustard gas; lewisite; chlorine gas; and nerve agents.

Obligation Contract Personnel-\$151,697.00 Equipment and Supplies-\$38,303.00 Decision Support Tool – Contract - \$80,000.00 Total \$270,000.00

PI's Evaluation: Project Accomplishments Close to Proposal

\* \* \* END OF REPORT \* \* \*